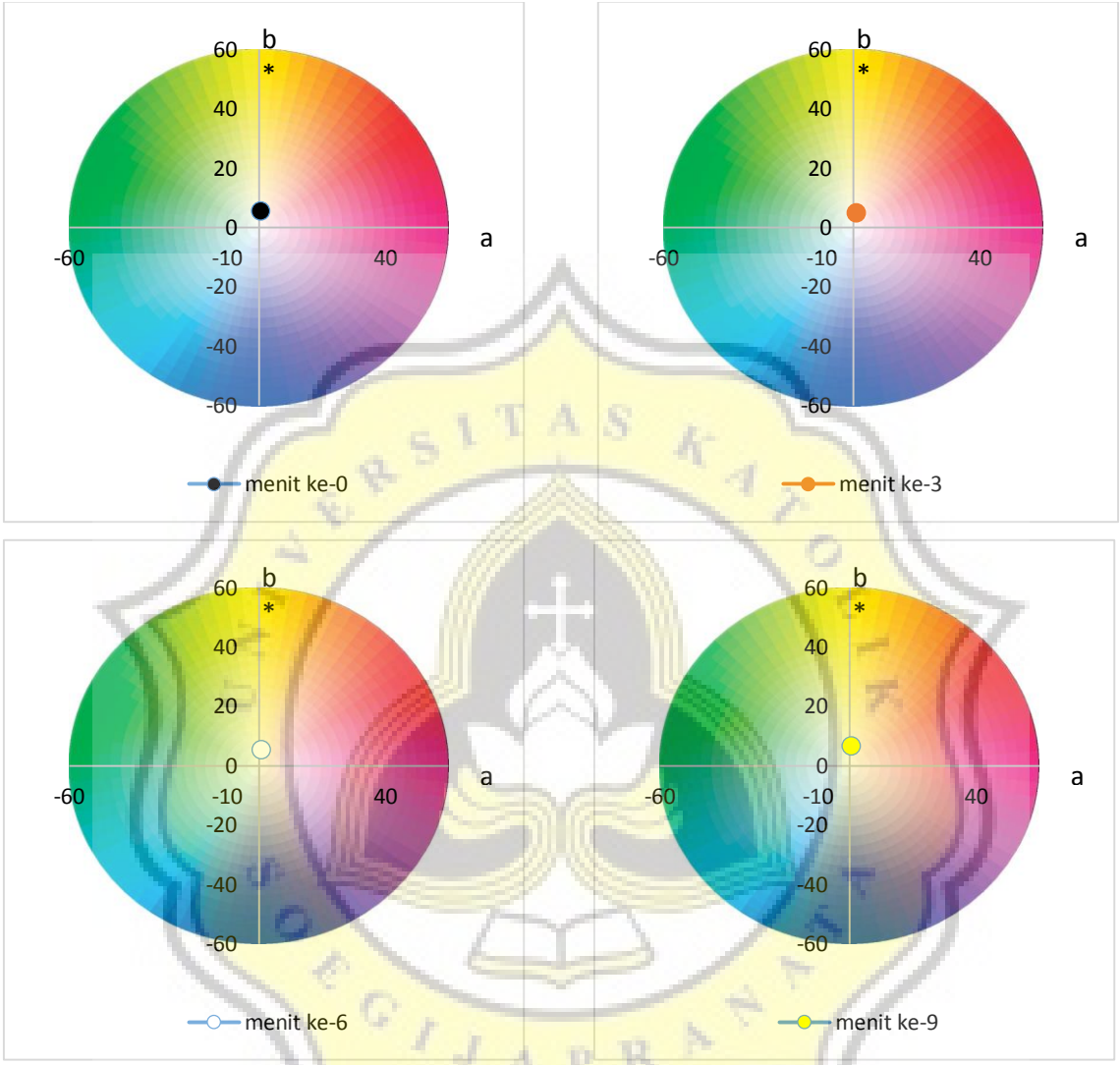
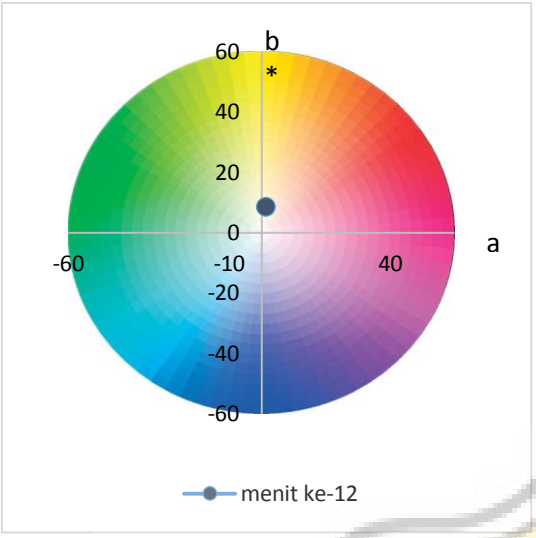
7. Lampiran

Lampiran 1. Diagram Warna

- **Konsentrasi 0%**




b*
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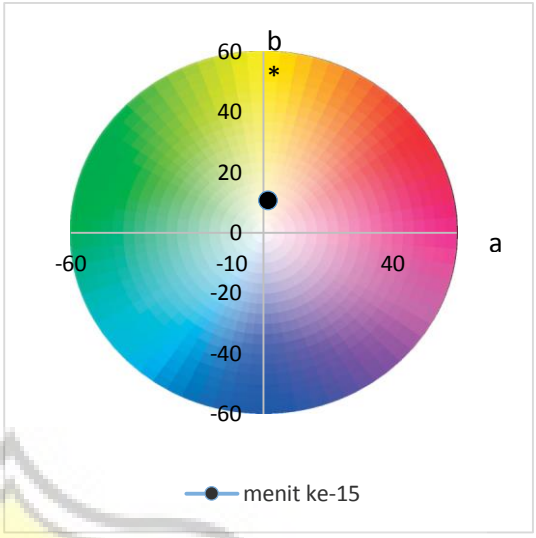
0
-10
-20
-40
-60
-60
40
a
menit ke-12


b*
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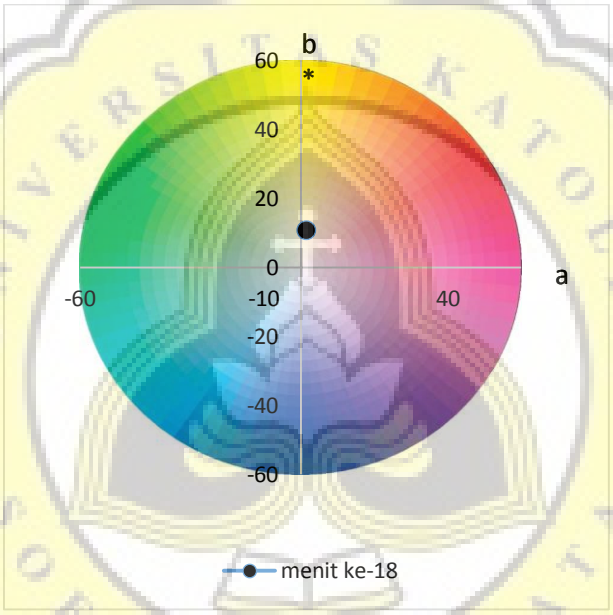
-10
-20
-40
-60
-60
40
a
menit ke-15


b*
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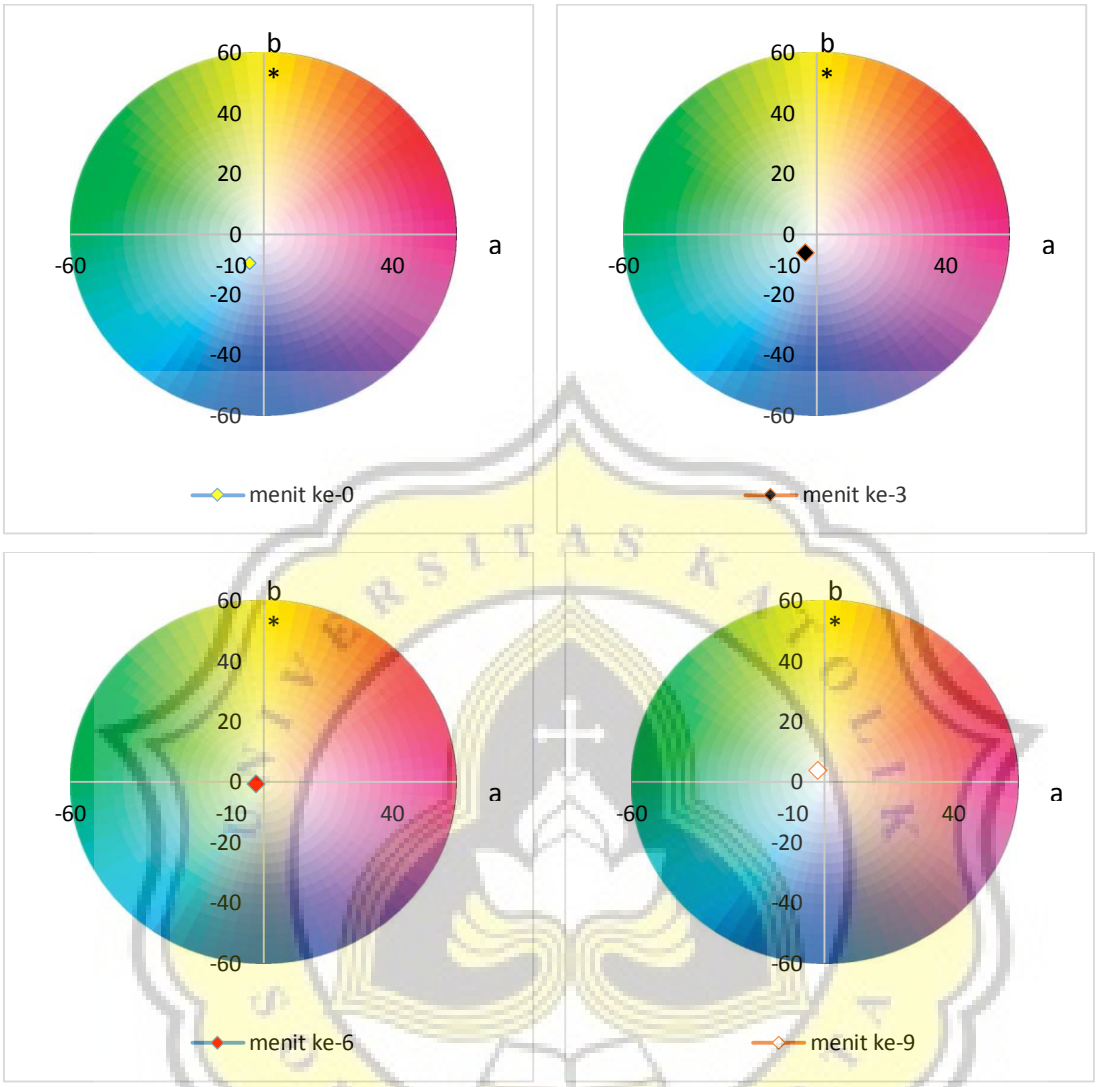
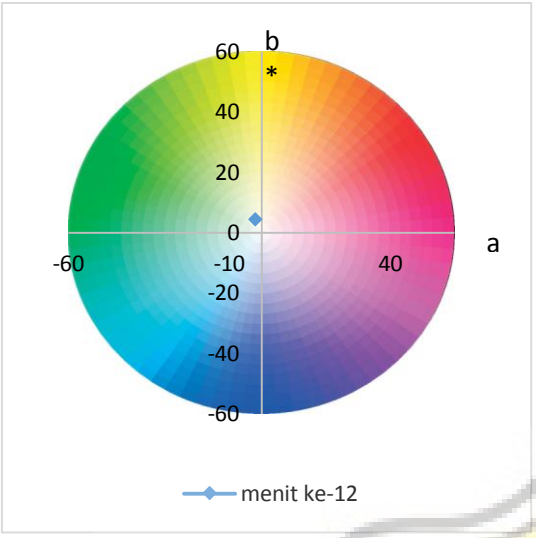
-10
-20
-40
-60
-60
40
a
menit ke-18

- **Konsentrasi 5%**

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-60
-60
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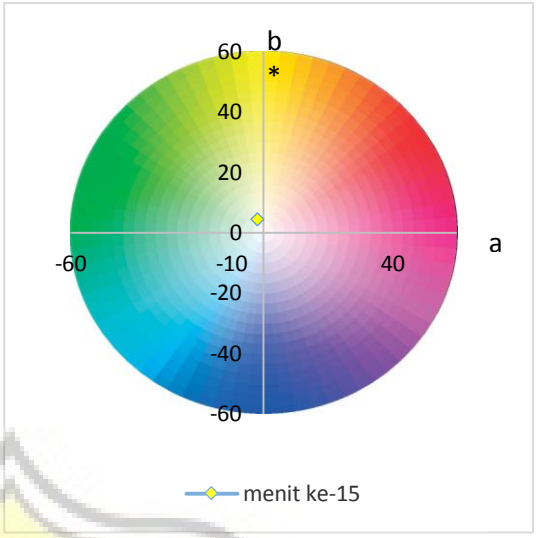
a
menit ke-12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-10
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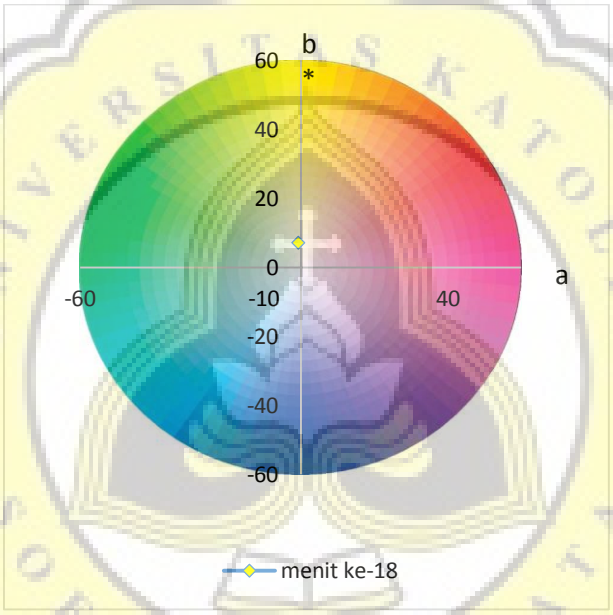
-40
-60
-60
40
a
menit ke-15


b
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-60
-60
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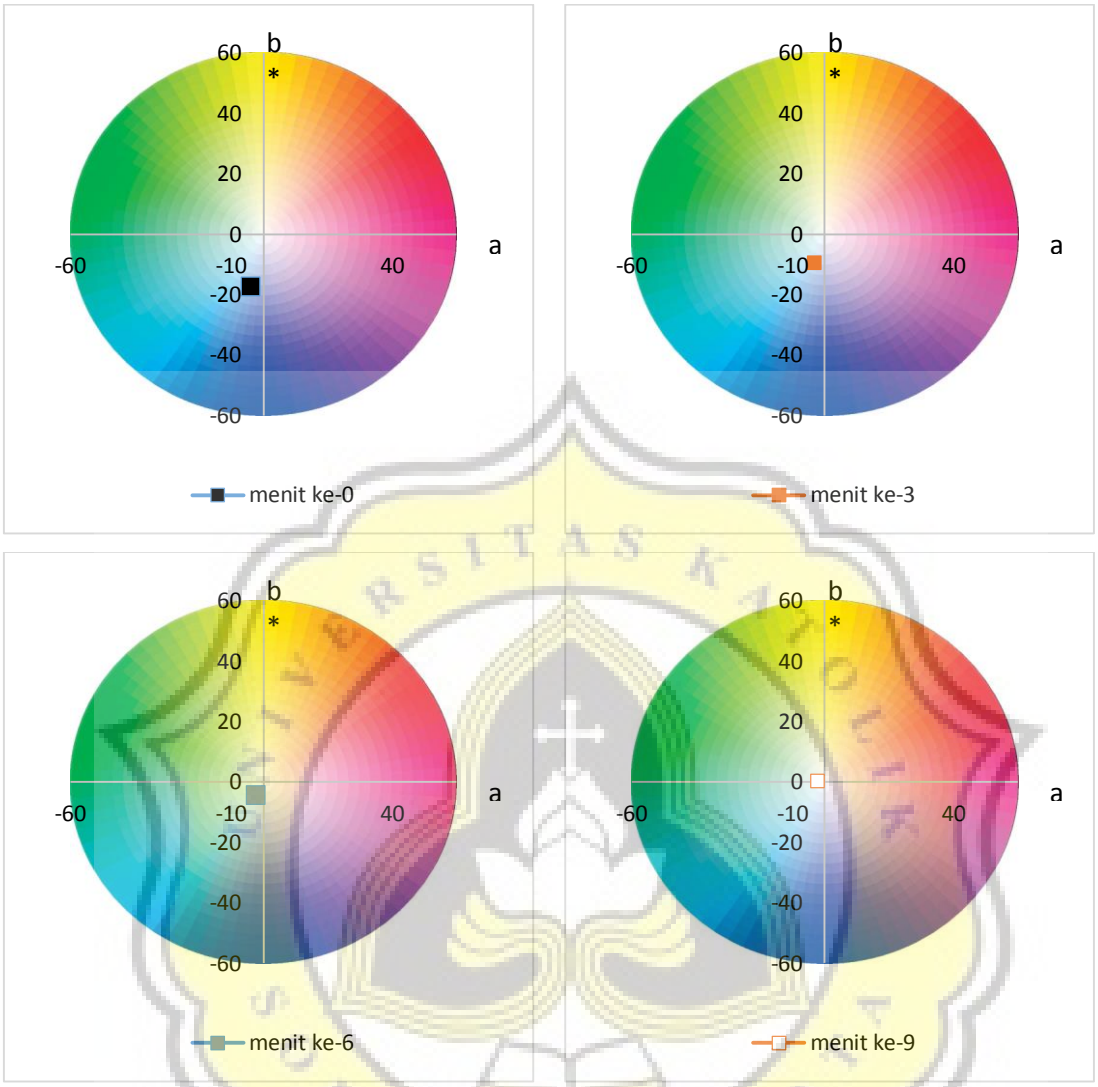
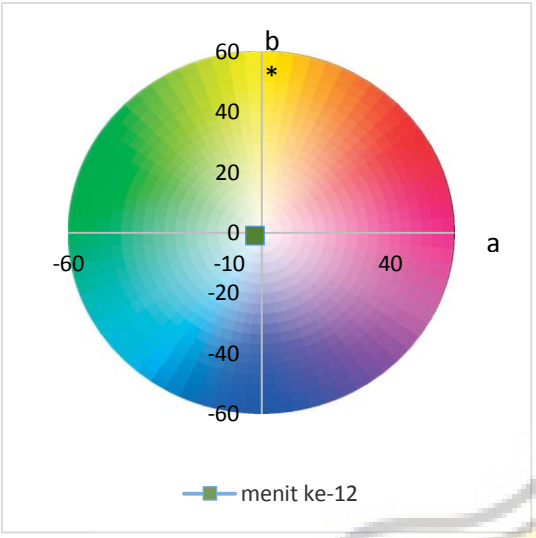
a
menit ke-18

- **Konsentrasi 10%**

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-40
-60
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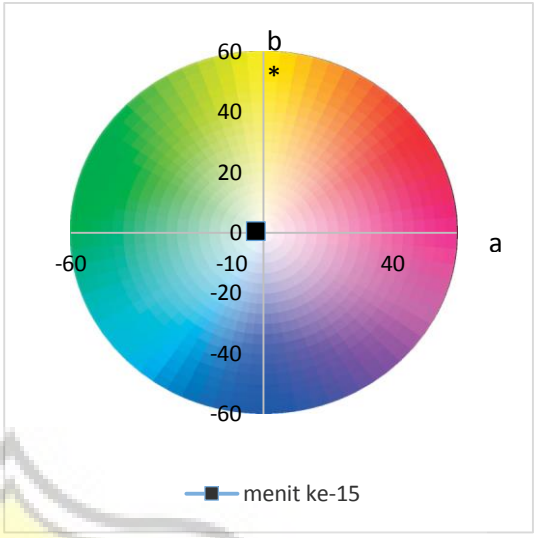
menit ke-12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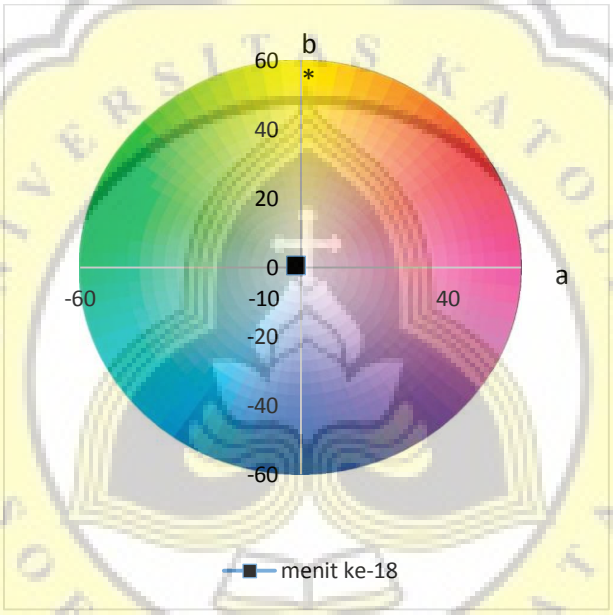
-60
a
menit ke-15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-40
-60
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menit ke-18

Lampiran 2. Metode dan Grafik Kurva Standard Amilosa

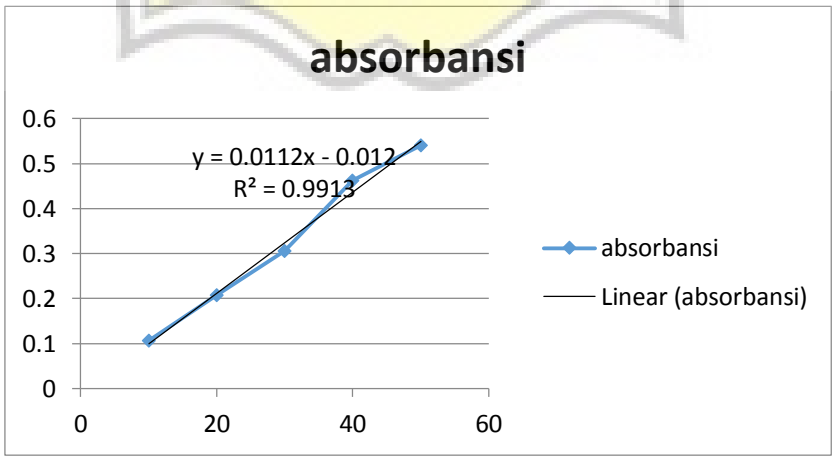
- **Pembuatan Kurva Standard Amilosa**

Amilosa murni ditimbang 40 mg dan dimasukkan ke dalam tabung reaksi. Kemudian, ditambahkan 1 ml etanol 95% dan juga 9 ml NaOH 1 N ke dalam amilosa murni. Campuran larutan tersebut kemudian dipanaskan dalam air yang mendidih selama 10 menit sampai terbentuk gel dan kemudian didinginkan. Larutan selanjutnya dimasukkan ke labu takar 100 ml dan *aquades* ditambahkan hingga tanda tera. Larutan kemudian dibagi ke 6 labu takar 100 ml, masing-masing adalah 1 ml, 2 ml, 3 ml, 4 ml, dan 5 ml. Asam asetat 1 N ditambahkan dalam labu takar, masing-masing adalah 0,2; 0,4; 0,6; 0,8; dan 1,0 ml, lalu ditambahkan 2 ml larutan iod. *Aquades* ditambahkan pada masing-masing labu takar hingga tanda tera dan selama 20 menit didiamkan. Setelah itu, tiap labu takar diukur absorbansinya dengan menggunakan panjang gelombang 625 nm. Kemudian kurva standar dibuat dengan konsentrasi amilosa dan absorbansi (Apriyantono *et al*, 1989).

Rumus kadar amilopektin = 100 – kadar amilosa

- **Grafik Kurva Standard Amilosa**

Konsentrasi (%)	Absorbansi
10	0.1061
20	0.2084
30	0.3064
40	0.4623
50	0.5404



Lampiran 3. Hasil SPSS

a. Kandungan Fikosianin pada Pewarna Serbuk Fikosianin

- **Antar rasio perbandingan *Spirulina* dan air pada konsentrasi maltodekstrin**

Maltodekstrin_50

	Kons_Malto	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	perbandingan 1:8	3	.01200		
	perbandingan 1:7	3		.01433	
	perbandingan 1:6	3			.04333
	perbandingan 1:5	3			.04367
	Sig.		1.000	1.000	.438

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Maltodekstrin_60

	Kons_Malto	N	Subset for alpha = 0.05			
			1	2	3	4
Duncan[a]	perbandingan 1:8	3	.02043			
	perbandingan 1:7	3		.02263		
	perbandingan 1:6	3			.03353	
	perbandingan 1:5	3				.03873
	Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

- **Uji beda antar konsentrasi maltodekstrin pada perbandingan *Spirulina* dan air dengan Independent Sample T-test**

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Banding_1dan5	Equal variances assumed	16.000	.016	17.000	4	.000	.005667	.000333	.004741	.006592
	Equal variances not assumed			17.000	2.000	.003	.005667	.000333	.004232	.007101
Banding_1dan6	Equal variances assumed	16.000	.016	31.000	4	.000	.010333	.000333	.009408	.011259
	Equal variances not assumed			31.000	2.000	.001	.010333	.000333	.008899	.011768
Banding_1dan7	Equal variances assumed	16.000	.016	-23.000	4	.000	-.007667	.000333	-.008592	-.006741
	Equal variances not assumed			-23.000	2.000	.002	-.007667	.000333	-.009101	-.006232

b. Kandungan Fikosianin pada Adonan Sagu

- **Pengukusan menit ke-0**

ANOVA

kadar_fikosianin

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.025	2	.013	77.022	.000
Within Groups	.002	15	.000		
Total	.027	17			

kadar_fikosianin

	kombinasi_konsentrasi_waktu	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	0% menit 0	6	.0092		
	5% menit 0	6		.0349	
	10% menit 0	6			.0980
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

- **Pengukusan menit ke-18**

ANOVA

kadar_fikosianin

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.000	2	.000	4.786	.025
Within Groups	.000	15	.000		
Total	.001	17			

kadar_fikosianin

	kombinasi_konsentrasi_waktu	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	0% menit 18	6	.0050	
	5% menit 18	6		.0114
	10% menit 18	6		.0140
	Sig.		1.000	.401

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

- **Uji beda antar waktu pengukusan pada konsentrasi 0% (kontrol) dengan menggunakan *Independent Sample T-test***

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
kons_0	Equal variances assumed	.354	.565	1.486	10	.168	.00416	.00280	-.00208	.01041
	Equal variances not assumed			1.486	9.574	.170	.00416	.00280	-.00212	.01045

- **Uji beda antar waktu pengukusan pada konsentrasi 5% dengan menggunakan *Independent Sample T-test***

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
kons_5	Equal variances assumed	3.599	.087	6.107	10	.000	.02345	.00384	.01489	.03201
	Equal variances not assumed			6.107	5.891	.001	.02345	.00384	.01401	.03289

- **Uji beda antar waktu pengukusan pada konsentrasi 10% dengan menggunakan *Independent Sample T-test***

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
kons_10	Equal variances assumed	1.272	.286	9.904	10	.000	.08400	.00848	.06510	.10290
	Equal variances not assumed			9.904	6.391	.000	.08400	.00848	.06355	.10445

c. Intensitas Warna

➢ **Nilai L**

- **Konsentrasi 0% (kontrol)**

ANOVA

warna_L

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	18707.465	6	3117.911	1.206E4	.000
Within Groups	14.472	56	.258		
Total	18721.937	62			

warna_L

	hub_kons_waktu	N	Subset for alpha = 0.05				
			1	2	3	4	5
Duncan[a]	0% 18 menit	9	48.5122				
	0% 15 menit	9	48.9922				
	0% 12 menit	9		56.1078			
	0% 9 menit	9			57.0178		
	0% 6 menit	9				67.5167	
	0% 3 menit	9					91.4533
	0% 0 menit	9					91.5911
	Sig.		.050	1.000	1.000	1.000	.568

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Konsentrasi 5% pewarna serbuk fikosianin**

ANOVA

warna_L

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	15970.459	6	2661.743	330.483	.000
Within Groups	451.029	56	8.054		
Total	16421.488	62			

warna_L

	hub_kons_waktu	N	Subset for alpha = 0.05			
			1	2	3	4
Duncan[a]	5% 12 menit	9	38.2356			
	5% 18 menit	9	38.4444			
	5% 6 menit	9	38.4456			
	5% 15 menit	9		43.3411		
	5% 9 menit	9		45.5978		
	5% 0 menit	9			73.4311	
	5% 3 menit	9				77.5678
	Sig.		.884	.097	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Konsentrasi 10% pewarna serbuk fikosianin**

ANOVA

warna_L

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9296.953	6	1549.492	2.970E3	.000
Within Groups	29.216	56	.522		
Total	9326.169	62			

warna_L

	hub_kons_waktu	N	Subset for alpha = 0.05				
			1	2	3	4	5
Duncan[a]	10% 18 menit	9	35.2833				
	10% 6 menit	9	35.6500				
	10% 12 menit	9		37.0422			
	10% 15 menit	9		37.4544			
	10% 9 menit	9			38.2433		
	10% 3 menit	9				58.4644	
	10% 0 menit	9					67.5389
	Sig.		.286	.231	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-0**

ANOVA

warna_L_0_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2829.040	2	1414.520	1.696E4	.000
Within Groups	2.002	24	.083		
Total	2831.042	26			

warna_L_0_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	67.5389		
	5%	9		73.4311	
	0%	9			91.5911
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-3**

ANOVA

warna_L_3_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4938.038	2	2469.019	286.814	.000
Within Groups	206.603	24	8.608		
Total	5144.641	26			

warna_L_3_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	58.4644		
	5%	9		77.5678	
	0%	9			91.4533
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-6**

ANOVA

warna_L_6_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5605.287	2	2802.644	1.930E3	.000
Within Groups	34.846	24	1.452		
Total	5640.133	26			

warna_L_6_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	35.6500		
	5%	9		38.4456	
	0%	9			67.5167
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-9**

ANOVA

warna_L_9_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1610.952	2	805.476	145.261	.000
Within Groups	133.081	24	5.545		
Total	1744.033	26			

warna_L_9_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	38.2433		
	5%	9		45.5978	
	0%	9			57.0178
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

- **Pengukusan menit ke-12**

ANOVA

warna_L_12_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2053.007	2	1026.504	4.086E3	.000
Within Groups	6.030	24	.251		
Total	2059.037	26			

warna_L_12_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	37.0422		
	5%	9		38.2356	
	0%	9			56.1078
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-15**

ANOVA

warna_L_15_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	599.125	2	299.562	64.622	.000
Within Groups	111.255	24	4.636		
Total	710.380	26			

warna_L_15_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	37.4544		
	5%	9		43.3411	
	0%	9			48.9922
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-18**

ANOVA

warna_L_18_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	859.069	2	429.534	1.143E4	.000
Within Groups	.902	24	.038		
Total	859.971	26			

warna_L_18_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	35.2833		
	5%	9		38.4444	
	0%	9			48.5122
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

➢ **Nilai a***

- **Konsentrasi 0% (kontrol)**

ANOVA

warna_A

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	16.064	6	2.677	73.175	.000
Within Groups	2.049	56	.037		
Total	18.113	62			

Warna_A

	hub_kons_waktu	N	Subset for alpha = 0.05				
			1	2	3	4	5
Duncan[a]	0% 0 menit	9	.6267				
	0% 9 menit	9	.6833	.6833			
	0% 6 menit	9		.8367			
	0% 3 menit	9			1.1611		
	0% 12 menit	9			1.3133		
	0% 18 menit	9				1.5111	
	0% 15 menit	9					2.1733
	Sig.		.532	.095	.097	1.000	1.000

Means for groups in homogeneous subsets are displayed.

- **Konsentrasi 5% pewarna serbuk fikosianin**

ANOVA

warna_A

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	80.369	6	13.395	70.430	.000
Within Groups	10.650	56	.190		
Total	91.019	62			

warna_A

	hub_kons_waktu	N	Subset for alpha = 0.05			
			1	2	3	4
Duncan[a]	5% 0 menit	9	-4.4933			
	5% 3 menit	9		-3.4667		
	5% 6 menit	9			-2.3644	
	5% 9 menit	9			-2.2522	
	5% 12 menit	9			-1.9922	
	5% 15 menit	9			-1.9589	
	5% 18 menit	9				-.6544
	Sig.		1.000	1.000	.076	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Konsentrasi 10% pewarna serbuk fikosianin**

ANOVA

warna_A

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	43.700	6	7.283	62.985	.000
Within Groups	6.476	56	.116		
Total	50.176	62			

warna_A

	hub_kons_waktu	N	Subset for alpha = 0.05				
			1	2	3	4	5
Duncan[a]	10% 0 menit	9	-3.9756				
	10% 3 menit	9		-3.3256			
	10% 9 menit	9			-2.4078		
	10% 6 menit	9			-2.3278	-2.3278	
	10% 15 menit	9			-2.3111	-2.3111	
	10% 12 menit	9				-2.0022	
	10% 18 menit	9					-1.2056
	Sig.		1.000	1.000	.575	.059	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-0**

ANOVA

warna_A_0_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	142.989	2	71.494	3.771E3	.000
Within Groups	.455	24	.019		
Total	143.444	26			

warna_A_0_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	5%	9	-4.4933		
	10%	9		-3.9756	
	0%	9			.6267
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-3**

ANOVA

warna_A_3_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	124.728	2	62.364	400.874	.000
Within Groups	3.734	24	.156		
Total	128.462	26			

warna_A_3_menit

	hub_waktu_kons	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	5%	9	-3.4667	
	10%	9	-3.3267	
	0%	9		1.1611
	Sig.		.459	1.000

Means for groups in homogeneous subsets are displayed.

Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-6**

ANOVA

warna_A_6_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	61.376	2	30.688	129.170	.000
Within Groups	5.702	24	.238		
Total	67.078	26			

warna_A_6_menit

	hub_waktu_kons	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	5%	9	-2.3644	
	10%	9	-2.3589	
	0%	9		.8367
	Sig.		.981	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-9**

ANOVA

warna_A_9_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	54.590	2	27.295	312.611	.000
Within Groups	2.096	24	.087		
Total	56.685	26			

warna_A_9_menit

	hub_waktu_kons	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	10%	9	-2.4078	
	5%	9	-2.2522	
	0%	9		.6833
	Sig.		.275	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-12**

ANOVA

warna_A_12_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	65.759	2	32.880	122.622	.000
Within Groups	6.435	24	.268		
Total	72.194	26			

warna_A_12_menit

	hub_waktu_kons	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	10%	9	-2.0022	
	5%	9	-1.9922	
	0%	9		1.3133
	Sig.		.968	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-15**

ANOVA

warna_A_15_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	75.347	2	37.674	592.352	.000
Within Groups	1.526	24	.064		
Total	76.874	26			

warna_A_15_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	-2.3111		
	5%	9		-1.9589	
	0%	9			1.3956
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-18**

ANOVA

warna_A_18_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	37.121	2	18.560	1.219E4	.000
Within Groups	.037	24	.002		
Total	37.157	26			

warna_A_18_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	-1.2056		
	5%	9		-.6544	
	0%	9			1.5111
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Nilai b***
  - **Konsentrasi 0% (kontrol)**

ANOVA

warna_B

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	333.188	6	55.531	709.180	.000
Within Groups	4.385	56	.078		
Total	337.573	62			

warna_B

	hub_kons_waktu	N	Subset for alpha = 0.05				
			1	2	3	4	5
Duncan[a]	0% 3 menit	9	4.7622				
	0% 6 menit	9		5.4256			
	0% 0 menit	9		5.4878			
	0% 9 menit	9			6.5556		
	0% 12 menit	9				8.6178	
	0% 18 menit	9					10.5533
	0% 15 menit	9					10.6211
	Sig.		1.000	.639	1.000	1.000	.609

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Konsentrasi 5% pewarna serbuk fikosianin**

ANOVA

warna_B

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2069.089	6	344.848	29.852	.000
Within Groups	646.908	56	11.552		
Total	2715.998	62			

Warna_B

	hub_kons_waktu	N	Subset for alpha = 0.05			
			1	2	3	4
Duncan[a]	5% 0 menit	9	-9.4033			
	5% 3 menit	9		-6.0378		
	5% 6 menit	9			-.6122	
	5% 9 menit	9				3.8567
	5% 12 menit	9				4.4722
	5% 15 menit	9				4.5811
	5% 18 menit	9				7.1467
	Sig.		1.000	1.000	1.000	.064

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Konsentrasi 10% pewarna serbuk fikosianin**

ANOVA

warna_B

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2453.397	6	408.899	3.713E3	.000
Within Groups	6.167	56	.110		
Total	2459.564	62			

Warna_B

	hub_kons_waktu	N	Subset for alpha = 0.05				
			1	2	3	4	5
Duncan[a]	10% 0 menit	9	-17.3511				
	10% 3 menit	9		-9.3011			
	10% 6 menit	9			-4.5367		
	10% 12 menit	9				-.9111	
	10% 18 menit	9					.3389
	10% 9 menit	9					.3556
	10% 15 menit	9					.4567
	Sig.		1.000	1.000	1.000	1.000	.483

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-0**

ANOVA

warna_B_0_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2419.582	2	1209.791	56.465	.000
Within Groups	514.215	24	21.426		
Total	2933.797	26			

warna_B_0_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	-17.3511		
	5%	9		-9.4033	
	0%	9			5.4878
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-3**

ANOVA

warna_B_3_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	975.200	2	487.600	202.319	.000
Within Groups	57.841	24	2.410		
Total	1033.041	26			

warna_B_3_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	10%	9	-9.3011		
	5%	9		-6.0378	
	0%	9			4.7622
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-6**

ANOVA

warna_B_6_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	176.661	2	88.331	390.615	.000
Within Groups	5.427	24	.226		
Total	182.089	26			

warna_B_6_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	5%	9	-.6122		
	10%	9		3.8567	
	0%	9			5.4256
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-9**

ANOVA

warna_B_9_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	74.385	2	37.192	374.283	.000
Within Groups	2.385	24	.099		
Total	76.769	26			

warna_B_9_menit

	hub_waktu_kons	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	0%	9	6.5556		
	5%	9		8.6178	
	10%	9			10.6211
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-12**

ANOVA

warna_B_12_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	23.293	2	11.646	181.380	.000
Within Groups	1.541	24	.064		
Total	24.834	26			

warna_B_12_menit

	hub_waktu_kons	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	0%	9	8.6178	
	10%	9		10.5533
	5%	9		10.6211
	Sig.		1.000	.576

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-15**

ANOVA

warna_B_15_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2397.755	2	1198.877	55.931	.000
Within Groups	514.439	24	21.435		
Total	2912.194	26			

warna_B_15_menit

	hub_waktu_kons	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	10%	9	-9.4033	
	5%	9		10.5533
	0%	9		10.6211
	Sig.		1.000	.975

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- **Pengukusan menit ke-18**

warna_B_18_menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2054.581	2	1027.291	43.364	.000
Within Groups	568.562	24	23.690		
Total	2623.143	26			

warna_B_18_menit

	hub_waktu_kons	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	5%	9	-9.4033	
	10%	9	-6.0378	
	0%	9		10.5533
	Sig.		.155	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

d. Kandungan Pati (Amilosa)

- **Pengukusan menit ke-0**

ANOVA

kandungan_amilosa_0menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	92.351	2	46.176	2.439	.168
Within Groups	113.573	6	18.929		
Total	205.924	8			

kandungan_amilosa_0menit

	Kombinasi_konsentrasi_waktu	N	Subset for alpha = 0.05
			1
Duncan[a]	0 menit 0%	3	10.1733
	0 menit 10%	3	16.8733
	0 menit 5%	3	17.0600
	Sig.		.110

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

- **Pengukusan menit ke-18**

ANOVA

kandungan_amilosa_18menit

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	166.994	2	83.497	5.605	.042
Within Groups	89.384	6	14.897		
Total	256.378	8			

kandungan_amilosa_18menit

	Kombinasi_konsentrasi_waktu	N	Subset for alpha = 0.05	
			1	2
Duncan[a]	18 menit 10%	3	6.9700	
	18 menit 0%	3		15.8600
	18 menit 5%	3		16.3367
	Sig.		1.000	.885

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

- **Uji beda antar waktu pengukusan pada konsentrasi 0% (kontrol) menggunakan uji *Independent Sample T-test***

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
konsentrasi_0	Equal variances assumed	.000	1.000	.000	4	1.000	.00000	.02867	-.07961	.07961
	Equal variances not assumed			.000	4.000	1.000	.00000	.02867	-.07961	.07961

- **Uji beda antar waktu pengukusan pada konsentrasi 5% menggunakan uji *Independent Sample T-test***

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
konsentrasi_5	Equal variances assumed	.036	.860	.185	4	.862	.72333	3.91579	-10.14863	11.59530
	Equal variances not assumed			.185	3.930	.863	.72333	3.91579	-10.22505	11.67171

- **Uji beda antar waktu pengukusan pada konsentrasi 10% menggunakan uji *Independent Sample T-test***

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
konsentrasi_10	Equal variances assumed	3.946	.118	2.825	4	.048	9.90333	3.50514	.17152	19.63515
	Equal variances not assumed			2.825	2.001	.106	9.90333	3.50514	-5.16951	24.97617

e. Viskositas

ANOVA

nilai_viskositas

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4490.467	8	561.308	4.551E3	.000
Within Groups	2.220	18	.123		
Total	4492.687	26			

nilai_viskositas

	kombinasi_konsentrasi_waktu_batch	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	0% 0 menit b3	3	24.5000		
	0% 0 menit b2	3	24.6000		
	0% 0 menit b1	3	24.8000		
	5% 0 menit b2	3		34.2000	
	5% 0 menit b3	3		34.7000	
	5% 0 menit b1	3		34.8000	
	10% 0 menit b1	3			55.5000
	10% 0 menit b3	3			55.5000
	10% 0 menit b2	3			55.7000
	Sig.		.335	.062	.518

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

f. Tekstur

ANOVA

Tekstur

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1501669.786	2	750834.893	3.805E32	.000
Within Groups	.000	24	.000		
Total	1501669.786	26			

Tekstur

	Hubungan_Konsentrasi_dan_Kandungan_Amilosa	N	Subset for alpha = 0.05		
			1	2	3
Duncan[a]	Kons 10% menit 18	9	3.8599E2		
	Kons 5% menit 18	9		5.8055E2	
	kons 0% Menit 18	9			9.5432E2
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.